



LL-01 SERIES – POWER LOOP

SPECIFICATIONS

- Proven ultrasonic technology combined with compact electronics
- Improved performance in aerated liquids
- Cost effective design for tight spaces and direct replacement of electro optical and mechanical float switch

The LL-01 series Ultrasonic Sentio™ Miniature Liquid Level Switch uses proven ultrasonic technology combined with compact electronics yielding improved performance in aerated liquids.

FEATURES

Standard Features

- High pressure up to 250 PSIG (1724 Kpa)
- No moving parts, easy to install
- Input 5 to 30 VDC
- Filter techniques enhance performance

Optional Features

- 3.3 volt input power
- Electropolishing
- Higher pressure up to 500 PSIG (3447 Kpa)
- Relay output, 0.5 amp SPST – NO or NC

APPLICATIONS

- Pump protection
- Storage tanks
- Compressors
- Medical and laboratory equipment
- Hydraulic supply lines
- Oil film detection
- Coolant reservoirs
- Boiler water cutoff
- Sewage systems
- Pipe lines
- Hydraulic and lube reservoirs
- Chillers

PERFORMANCE SPECIFICATIONS

Parameter	Typical Value
Repeatability	2 mm or better
Delay	0.5 seconds
Input Power	5 to 30 VDC
Leakage Current	Less than 50 μ A
Output (standard)	Wet 20 \pm 1 mA; Dry 4 \pm 1 mA

Parameter	Typical Value
Sensor Material	316L Stainless Steel
Temperature	-20 to +176° F (-29 to 80 °C)
Operating Pressure	Up to 250 psig (1724 Kpa)
Mounting	1/4" NPT, 1/2" NPT
Cable Length	1, 4, 10, & 20 foot available

MECHANICAL DIMENSIONS IN INCHES [MM]

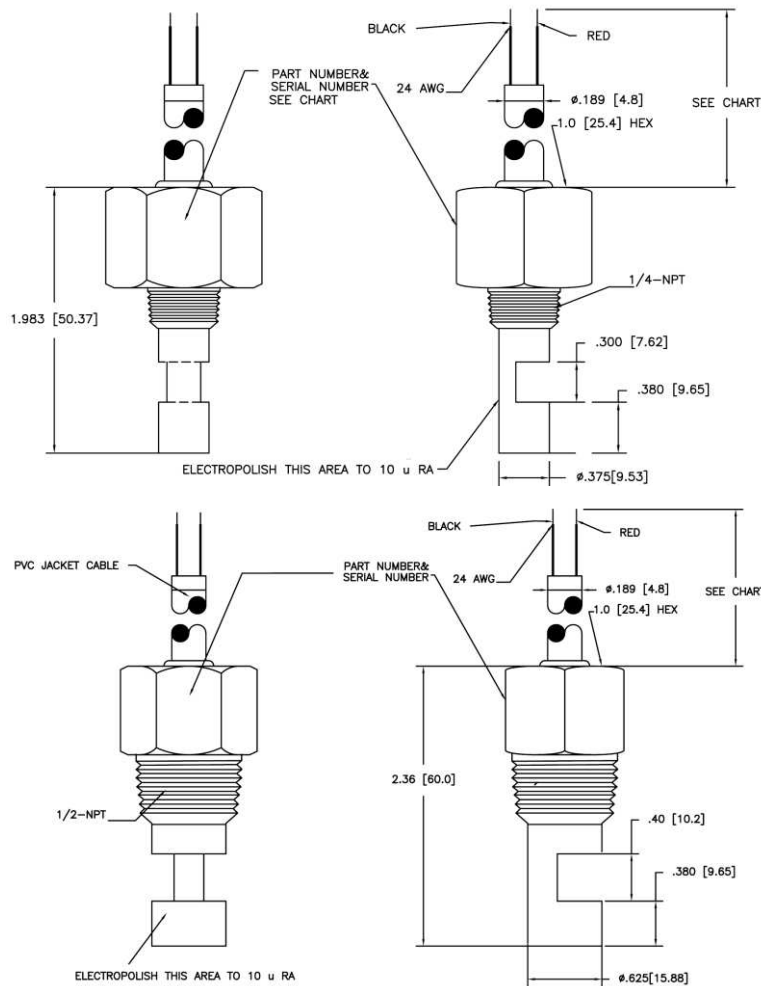


Figure 1: Top - LL-01 series element with 1/4" NPT sensor mounting
 Bottom - LL-01 series element with 1/2" NPT sensor mounting

TYPICAL WIRING DIAGRAM

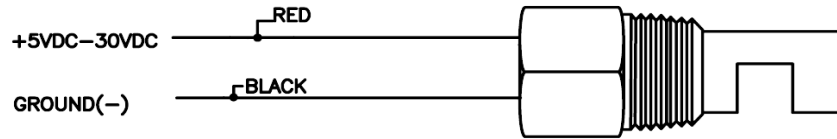
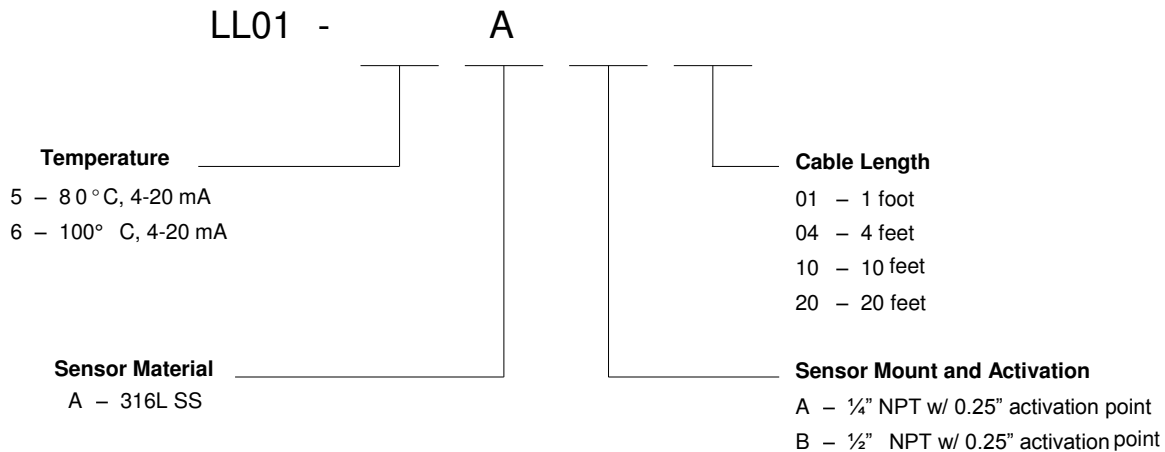


Figure 2: Typical wiring diagram for LL-01 series elements

ORDERING INFORMATION



NORTH AMERICA

Measurement Specialties, Inc.,
 a TE Connectivity Company
 1000 Lucas Way
 Hampton, VA 23666
 Tel: 1-800-745-8008
 Fax: 1-757-766-4297
 Sales: piezo@meas-spec.com

EUROPE

MEAS Deutschland GmbH
 a TE Connectivity Company
 Hauert 13
 44227 Dortmund
 Germany
 Sales & Customer Service: +49 (0)231 9740 21
 Technical Support: +44 (0)138 38700 01
 Email: piezoeurope@meas-spec.com

ASIA

Measurement Specialties (China), Ltd.,
 a TE Connectivity Company
 No. 26 Langshan Road,
 High-Tech Park (North)
 Nanshan District, Shenzhen 518057
 Tel: +86 755 3330 5068
 Email: sales.china@meas-spec.com

TE.com/sensorsolutions

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